Datasheet: MCA2200T

Description: MOUSE ANTI C-MYC
Specificity: C-MYC
Format: Purified
Product Type: Monoclonal Antibody
Clone: 9E10
Isotype: IgG1
Quantity: 20 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

<table>
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<tr>
<th>Application</th>
<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tbody>
<tr>
<td>Flow Cytometry (1)</td>
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<td>Neat - 1/10</td>
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<td>Immunohistology - Frozen</td>
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<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Western Blotting (2)</td>
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Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own systems using appropriate negative/positive controls.

(1) Membrane permeabilisation is required for this application. Bio-Rad recommends the use of Leucoperm™ (Product Code BUF09) for this purpose.

(2) 9E10 recognizes c-myc under non-reducing conditions

Target Species: Human
Product Form: Purified IgG - liquid
Preparation: Purified IgG prepared by affinity chromatography on Protein G
Buffer Solution: Phosphate buffered saline
Preservative Stabilisers: 0.09% Sodium Azide (NaN3)
Approx. Protein Concentrations: IgG concentration 1.0 mg/ml
Immunogen: Synthetic peptide sequence corresponding to the C-terminal region (residues 408-439) of human c-myc conjugated to keyhole limpet hemocyanin.
Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0 myeloma cell line.

**Mouse anti c-myc antibody, clone 9E10** detects the p62\(^{c-myc}\) proto-oncogene protein, which is involved in the regulation of the cell cycle and cell growth. C-myc is primarily located to the cell nucleus, but has also been shown to localised to the cytoplasm in several cell lines (Craig et al. 1993). Overexpression of c-myc has been reported in a wide variety of human cancers (Nesbit et al. 1999).

Mouse anti c-myc antibody, clone 9E10 recognizes the sequence EQKLISEEDL and may be used to detect proteins and peptides labelled with molecular tags containing this sequence (Hilpert et al. 2001).

**Flow Cytometry**

Use 10ul of the suggested working dilution to label 1x10\(^6\) cells in 100ul.

**Immunohistology**

This product does not require protein digestion pre-treatment of paraffin sections prior to staining. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.

**References**

12. Rowshanravan, B. et al. (2014) RasGAP mediates neuronal survival in Drosophila through


### Further Reading

### Storage
Store at +4°C or at -20°C if preferred. This product should be stored undiluted.

Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

### Shelf Life
18 months from date of despatch.

### Health And Safety

### Regulatory
For research purposes only

### Related Products

#### Recommended Secondary Antibodies

- Goat Anti Mouse IgG (STAR77...) **HRP**
- Rabbit Anti Mouse IgG (STAR13...) **HRP**
- Goat Anti Mouse IgG (STAR70...) **FITC**
- HuCAL Anti Mouse IgG1 (HCA036...) **HRP**
- Goat Anti Mouse IgG (Fc) (STAR120...) **FITC, HRP**
- Rabbit Anti Mouse IgG (STAR8...) **DyLight®800**
- Goat Anti Mouse IgG (STAR76...) **RPE**
- Rabbit Anti Mouse IgG (STAR12...) **RPE**
- Goat Anti Mouse IgG IgA IgM (STAR87...) **Alk. Phos., HRP**
- Goat Anti Mouse IgG (H/L) (STAR117...) **Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP**
- Rabbit Anti Mouse IgG (STAR9...) **FITC**

#### Recommended Negative Controls

*MOUSE IgG1 NEGATIVE CONTROL (MCA928)*